CLAIMS

1. An electroconductive contact unit assembly comprising a electroconductive contact unit in the form of a coil spring for resiliently contacting an object to be contacted, the contact unit being coaxially received in a through hole formed in an insulating support member, characterized by that:

the through hole is shaped so as to have a reduced diameter portion at least at one axial end thereof;

the contact unit in the form of a coil spring comprising a coil spring portion received in an intermediate part of the through hole and a pair of electrode pin portions, which are each closely wound at corresponding ends of the coil spring portion, and at least one of which is tapered or stepped in shape so as to be prevented from coming off by the reduced diameter portion;

the contact unit being surface processed by highly electroconductive material.

2. An electroconductive contact unit assembly according to claim 1, wherein the reduced diameter portion comprises a tapered hole section provided at each axial end of the through hole, and the pair of electrode pin portions are tapered in shape and closely wound so as to be prevented from coming off by the tapered hole sections of the through hole.

3. An electroconductive contact unit assembly according to claim 1, wherein the reduced diameter portion has a smaller inner diameter than the

outer diameter of the coil spring portion, and is provided at each axial end of the through hole, and the other of the pair of electrode pin portions has a cylindrical shape which has a smaller diameter than the reduced diameter portion.

4. An electroconductive contact unit assembly according to any one of claims 1 to 3, wherein the coil spring portion is wound at a uniform pitch.

5. An electroconductive contact unit assembly according to any one of claims 1 to 4, wherein the electrode pin portions are each closely wound with a pre-stress.

6. An electroconductive contact unit according to any one of claims 1 to 5, wherein the surface processing is conducted after the coil spring portion and electrode pin portions are formed out of a wire member.

7. An electroconductive contact unit according to any one of claims 1 to 5, wherein the surface processing is conducted both before and after the coil spring portion and electrode pin portions are formed out of a wire member.